



## ***ELECTRICAL MAINTENANCE FOREMAN (SURFACE AND UNDERGROUND)***

Article 3 of the Coal Mine Safety Laws of Virginia establishes requirements for certification of coal mine workers. The certification requirements are included in §45.1-161.24 through §45.1-161.41 in which the Board of Coal Mining Examiners is established for the purpose of administering the certification program. The Board has promulgated certification regulations 4 VAC 25-20, which set the minimum standards and procedures required for Virginia coal miner examinations and certifications.

### **CERTIFICATION CLASSIFICATION: \**Electrical Maintenance Foreman (Surface and UG)***

This certification authorizes the holder to:

- Perform electrical work and inspections at all surface areas of underground, surface and underground coal mines
- Make examinations on electrical equipment
- Conduct and record results of electrical examinations

### **APPLICATION/EXPERIENCE REQUIREMENTS:**

- Application (BCME-1) and \$40.00 fee 5 working days prior to examination
- Hold a valid Electrical Repairman
- Three years of electrical experience as applied to underground mining or appropriately related work experience approved by the Chief of the Division of Mines
- Current first aid training (MSHA 5000-23 Annual Retraining or New Miner Inexperienced Training acceptable)

**EXAMINATION REQUIREMENTS:** A score of 80% on each element of the examination.

<b>ELEMENTS OF EXAM</b>	<b>NUMBER OF QUESTIONS</b>
▪ Electrical Maintenance Foreman (MT) <ul style="list-style-type: none"><li>Alternating Current</li><li>Direct Current</li><li>Circuits &amp; Equipment</li><li>Cable Splicing</li><li>High Voltage</li><li>Legal Requirements</li><li>Permissibility</li></ul>	50
▪ First Aid (FA)	20
▪ National Electrical Code (not implemented)	20
▪ Practical Stations (not implemented)	
▪ Records – practical (not implemented)	

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**RECOMMENDED REFERENCE/STUDY MATERIALS:**

- Electrical Study Guide
- Coal Mine Safety Laws of Virginia
- BCME Requirements
- First Aid For Miners Study Guide
- Title 30 CFR Part 18, 75, 78

**The above mentioned study materials are available at the Department of Mines, Minerals and Energy's Big Stone Gap Office, Customer Assistance Center (276) 523-8233 and Keen Mountain Field Office (276) 498-4533.**

**\*8 hours annual Electrical Repairman continuing education will update this certification.**

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